

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APR 03 2009

Bureau of Land Management
Farmington Field Office

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RCVD APR 22 '09
OIL CONS. DIV.
DIST. 3

1a. Type of Work DRILL	5. Lease Number NM-82815 Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Lewis Park 9. Well Number 2
4. Location of Well Surf: Unit E (SWNW), 2525' FNL & 1250' FWL Bottomhole: Unit E (SWNW), 2100' FNL & 780' FWL Surf: Latitude: 36.89730° N (NAD83) Longitude: 107.63192° W Bottomhole: Latitude: 36.89849° N (NAD83) Longitude: 107.63354° W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) E Sec. 13, T31N, R8W API # 30-045-34938
14. Distance in Miles from Nearest Town 14 miles/Navajo Dam	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 780'	
16. Acres in Lease 640.00	17. Acres Assigned to Well MV/DK 320.00 (W/2)
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 72' from Lewis Park #101S (FC)	
19. Proposed Depth 8190'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6625' GL	22. Approx. Date Work will Start APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	<u>4/3/2009</u> Date

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

Archaeological Report attached

Threatened and Endangered Species Report attached

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make for any department or agency of the United States any false, fictitious or fraudulent statements or presentations as to any matter within its jurisdiction.

Example Master Plan Type 3

Bond Numbers NMB-000015 and NMB-000089

APR 24 2009

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".

Hold C104
for Directional Survey
and "As Drilled" plat

NMOCDB

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4

RECEIVED

DISTRICT I
1625 N French Dr., Hobbs, N.M. 88240

DISTRICT II
1301 W. Grand Ave., Artesia, N.M. 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV
1220 South St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

APR 03 2008

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
Bureau of Land Management
Farmington Field Office
Lease - 4 Copies
Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-34938	² Pool Code 71599/72319	³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE
⁴ Property Code 7260	⁵ Property Name LEWIS PARK	⁶ Well Number 2
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6625'

¹⁰ Surface Location

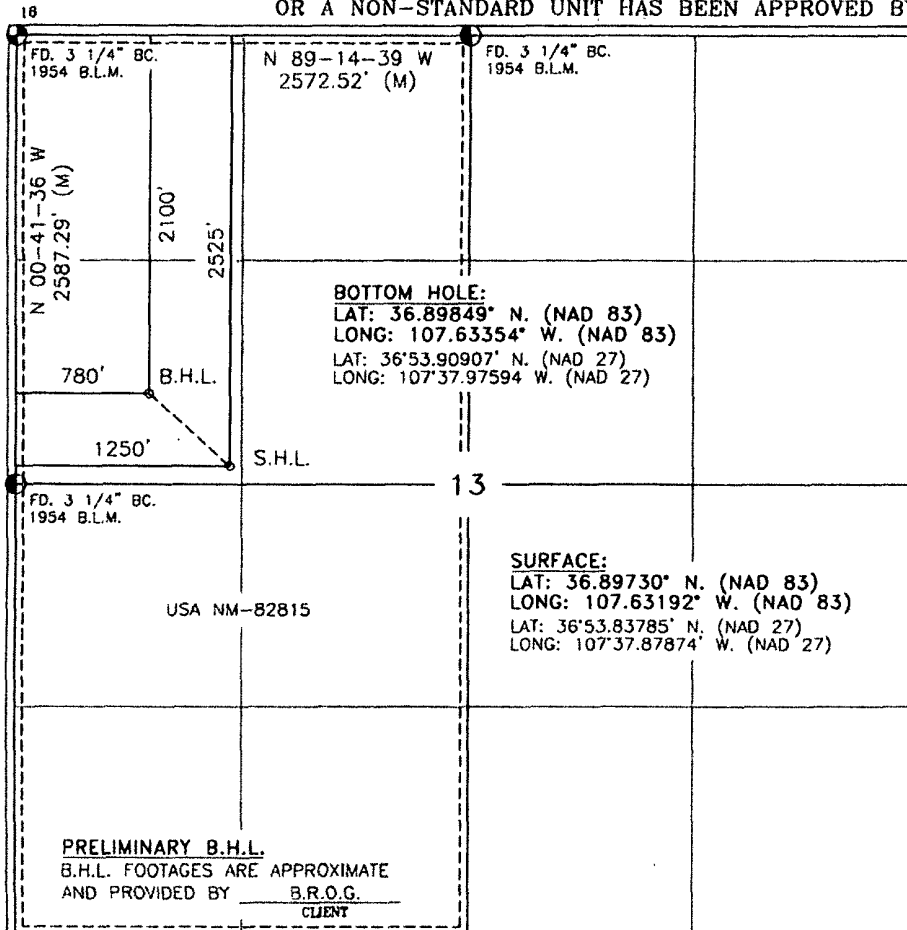
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	13	31-N	8-W		2525	NORTH	1250	WEST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	13	31-N	8-W		2100	NORTH	780	WEST	SAN JUAN

¹² Dedicated Acres 320.00 - W/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



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OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Crystal Tafoya 2/6/09
Signature Date

Crystal Tafoya 2-6-09
Printed Name

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SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

SEPTEMBER 25, 2008
Date of Survey

ROY A. RUSSELL
Signature and Seal of Professional Surveyor

NEW MEXICO
8894
8894
8894
PROFESSIONAL LAND SURVEYOR

Certificate Number
8894

COMPANY
Charge Code
WELL NAME
DUAL WELL
TRIPLE WELL

BURLINGTON RESOURCES	
WAN.RFE.PD08.95	
LEWIS PARK # 2	DATE 8/6/2008
WELL NAME	
WELL NAME	

COORDINATES

SEC	TNSHP	RANGE	LATITUDE	LONGITUDE
D 13	31 N	8 W	36.90124 N	107.63399 W

COUNTY

SAN JUAN

RECTIFIER

SOLAR

GROUND BED

240 V METER POLE

480 V METER POLE

D C CABLES

A C CABLES

PRIMARY POWER

DISTANCE TO POWER

UNDERGROUND

PUMPJACK

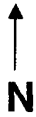
WATER PUMP

SIZE	NEEDED	EXISTING	1 PHASE	3 PHASE
30/12	X			
	X			
# 8	200'		CITY OF FMN	
# 8	1900'			
				.5 MILES

COMMENTS

3 PHASE CITY OF FMN PRIMARY .5 MILES
INSTALL RECTIFIER SYSTEM
SAND AND SANDSTONE AREA
UPGRADE 480/240 TRANSFORMER TO 3 KVA - PLOW UGAC TO LOCATION
ADD HOMELINE BREAKER 15A

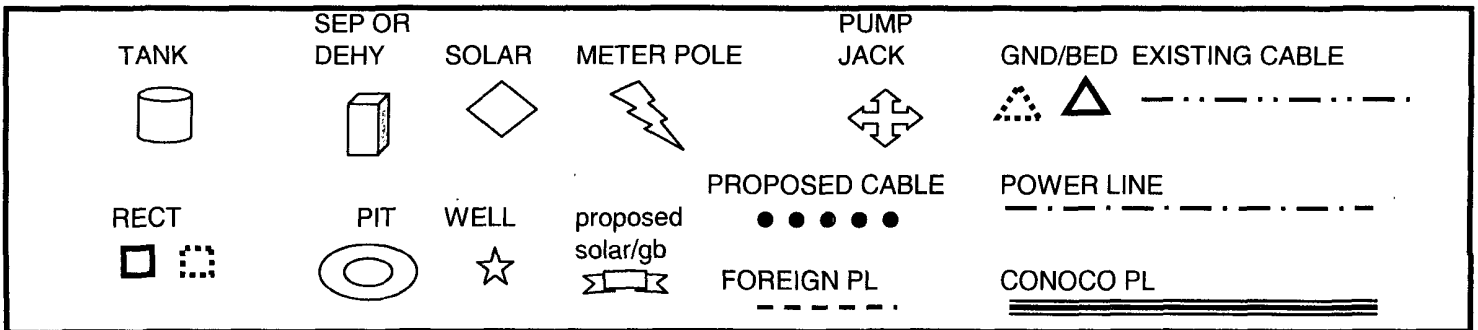
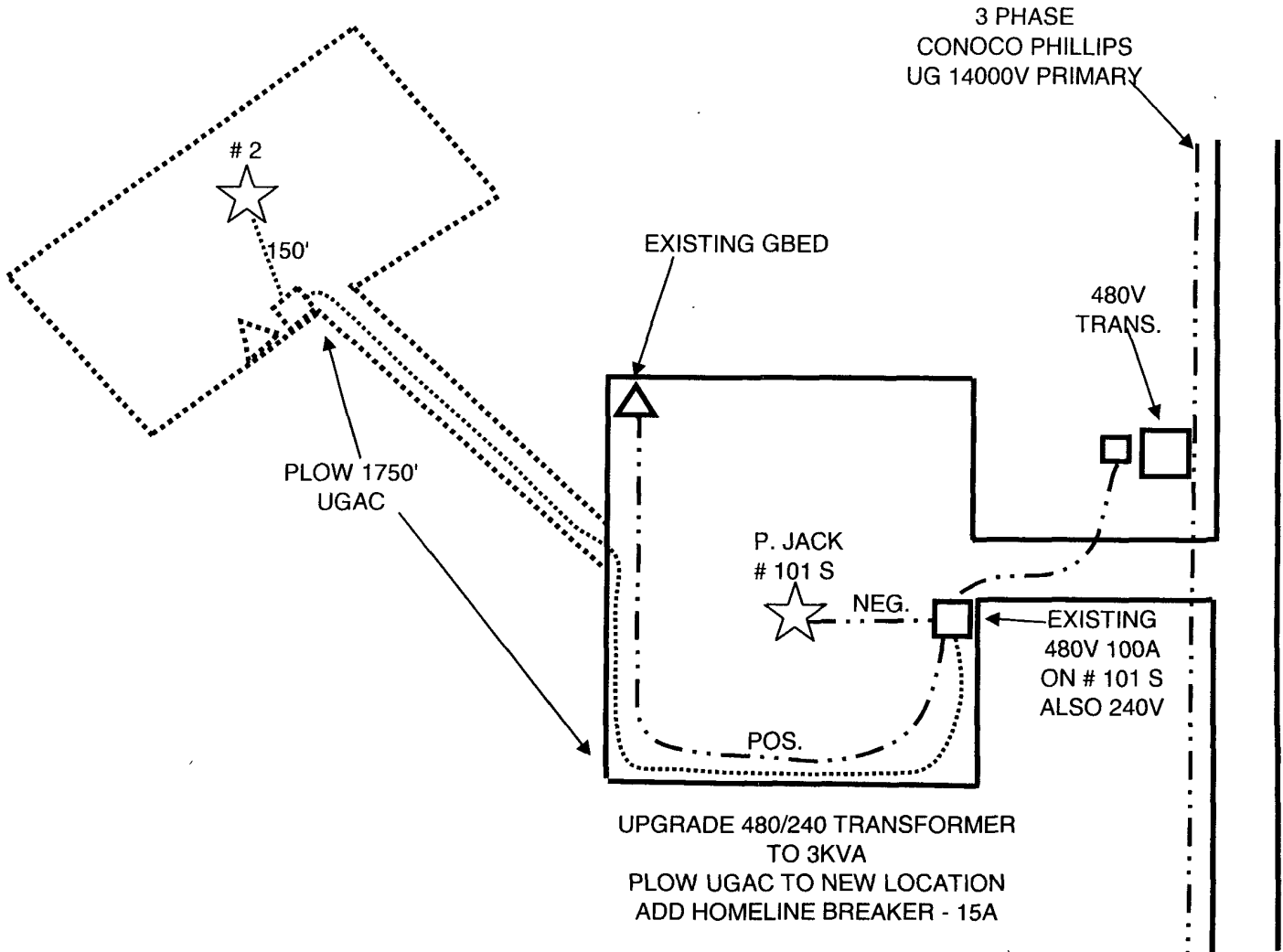
WELL NAME	LEWIS PARK # 2
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3 PHASE CITY OF FMN PRIMARY .5 MILES

INSTALL RECTIFIER SYSTEM

SAND AND SANDSTONE AREA



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

LEWIS PARK 2

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8108				AFE \$: 1,681,998.43	
Field Name: hBR_SAN JUAN		Rig: H&P Rig 282		State: NM	County: SAN JUAN		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer: prabowo, Wahyu		Phone: +1-505-326-9797		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
RON	BLANCO MESAVERDE (PRORATED GAS)						
FRR	BASIN DAKOTA (PRORATED GAS)						
Location: Surface Datum Code: NAD 27							
Latitude: 36.897295	Longitude: -107.631309	X:	Y:	Section: 13		Range: 008W	
Footage X: 1250 FWL	Footage Y: 2525 FNL	Elevation: 6625	(FT)	Township: 031N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27							
Latitude: 36.898486	Longitude: -107.632928	X:	Y:	Section: 13		Range: 008W	
Footage X: 780 FWL	Footage Y: 2100 FNL	Elevation:	(FT)	Township: 031N			
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2009		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6637		Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	6437	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 162 cuft. Circulate cement to surface.	
OJO ALAMO	2362	4275	☐				
KIRTLAND	2457	4180	☐				
FRUITLAND	3022	3615	☐			Possible Gas	
PICTURED CLIFFS	3517	3120	☐				
LEWIS	3632	3005	☐				
Intermediate Casing	3732	2905	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 859 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	4297	2340	☐				
CHACRA	4695	1942	☐				
MASSIVE CLIFF HOUSE	5474	1163	☐	487		Gas	
MENEFEE	5519	1118	☐				
POINT LOOKOUT	5825	812	☐				
MANCOS	6164	473	☐				
UPPER GALLUP	7135	-498	☐				
GREENHORN	7871	-1234	☐				
GRANEROS	7925	-1288	☐				
TWO WELLS	8029	-1392	☐	3422		Gas	
UPPER CUBERO	8059	-1422	☐				
LOWER CUBERO	8085	-1448	☐				
ENCINAL	8138	-1501	☐				
Total Depth	8190	-1553	☐			6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 606 cuft. Circulate cement a minimum of 100' inside the previous casing string.	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

LEWIS PARK 2

DEVELOPMENT

Reference Wells:		
Reference Type	Well Name	Comments

Logging Program:	
Intermediate Logs:	☐ Log only if show ☐ GR/ILD ☐ Triple Combo

TD Logs:	☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other
Est bottom perf is ~16' above the est TD.	

Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Lewis Park 2
Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 6640 0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	WELL @ 6640 0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	Lewis Park 2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal		
Design:	APD Plan		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
		Paguate		0 00		
2,421.5	2,362.0	Ojo Alamo		0 00		
2,520.4	2,457.0	Kirtland		0 00		
3,101.9	3,022.0	Fruitland		0 00		
3,597.3	3,517.0	Pictured Cliffs		0 00		
3,712.3	3,632.0	Lewis		0 00		
4,377.3	4,297.0	Huerf Bent.		0 00		
4,775.3	4,695.0	Chacra		0 00		
5,554.3	5,474.0	Mass Cliffhouse		0 00		
5,599.3	5,519.0	Menefee		0 00		
5,905.3	5,825.0	Massive Pt Lookout		0 00		
6,244.3	6,164.0	Mancos Shale		0 00		
7,215.3	7,135.0	Gallup		0 00		
7,951.3	7,871.0	Greenhorn		0 00		
8,005.3	7,925.0	Graneros		0 00		
8,109.3	8,029.0	Two Wells		0 00		
8,139.3	8,059.0	Upper Cubero		0 00		
8,165.3	8,085.0	Lower Cubero		0 00		
8,218.3	8,138.0	Encinal		0 00		

**Directions from the post office at Navajo Dam, New Mexico, to the
Burlington Resources Oil & Gas Company LP**

Lewis Park #2 well location

**2525' FNL 1250' FWL Section 13, T31N R8W, NMPM, in San Juan County, New
Mexico**

From the post office at Navajo Dam, New Mexico (Lat. 36.80500° N, Long. 107.69806° W):

Travel easterly on Hwy 173 0.4 mi to the intersection with Hwy 511 at The Sportsman's Inn (Lat. 36.80278° N, Long. 107.69056° W).

Turn left on Hwy 511 and travel northeasterly, then northerly, 12.5 mi to a field road on the right (east) side of the highway at M.P. 20.7 (Lat. 36.89028° N, Long. 107.64556° W).

Turn right on this road and travel northeasterly 0.8 mi to another field road which is just past the Lewis Park #101 well location (Lat. 36.89278° N, Long. 107.63222° W).

Turn left on this road and travel northerly, up the hill 0.3 mi to an existing well access road (Lat. 36.89694° N, Long. 107.63056° W).

Turn left onto well road about 200' to existing well pad of Lewis Park #101S.

End on existing well pad Lewis Park #101S on which new well pad is twinned. (Lat. 36.89716° Long ,N 107.63175° W)